RAY HUFFMAN

SSFSF

Trentwood Irrigation District #3
N. 4402 Sullivan Rd.
Spokane, Washington 99216
922-7532

Well Log: Well #5
Record by: Driller
Source: Engineer's record

Location: NW¼, NW¼, Sec. 1, T. 25 N., R. 44 E.W.M.
Spokane County, Washington

DIAGRAM OF SECTION

Drilling Co: E. A. Holman Drilling Co.
S. 601 Pines Rd.
Spokane, Washington 99206

Method of Drilling: Cable
Date: Feb. 15, 1968

Owner: Trentwood Irrigation District #3
N. 4402 Sullivan Rd.
Spokane, Washington 99216

SWL: 104'
Date: Feb. 15, 1968
Dims: 16" x 159'

Material	From (feet)	To (feet)
Sand & gravel	0	10
Sand, silt & pea gravel	10	18
Sand & gravel	18	59
Sand, silt & pea gravel	59	81
Cemented sand & gravel	81	84
Sand & gravel	84	102
Very hard packed gravel	102	104
Good clean washed gravel up to 1½"	104	110
Gravel, to 2"	110	112
Gravel, to 1½"	112	117
Gravel, to 3"	117	122
Gravel, to 3½"	122	130
Gravel, to 2½"	130	140
Gravel, to 3"	140	150

9' of casing welded on top and back filled around to raise ground level.
Casing: 16" 0' to 159'
Perforated from 110' to 145'
Pump: 200 h.p. deep well turbine, Layne & Bowler.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. .....
Permit No. 81-26592

(1) OWNER: Name TRENTWOOD IRR. DIST #3 Address N 4402 SULLIVAN RD. SPOKANE

(2) LOCATION OF WELL: County SPOKANE SW¼ NW¼ NE¼ Sec. 2 T. 25 N., R. 44 W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) 4
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 20 inches.
Drilled 236 ft. Depth of completed well 174 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 20 " Diam. from +2 ft. to 128 ft.
Threaded ☐ 16 " Diam. from 154 ft. to 174 ft.
Welded ☒ ..... " Diam. from ..... ft. to ..... ft.

Perforations: Yes ☐ No ☒
Type of perforator used .....
SIZE of perforations ..... in. by ..... in.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type STAINLESS Model No. STD.
Diam. 20 Slot size 150 from 128 ft. to 135 ft.
Diam. 20 Slot size 120 from 135 ft. to 140 ft.
26 107 140 154

Gravel packed: Yes ☐ No ☒ Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal CEMENT GROUT
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name .....
Type: ..... H.P. .....

(8) WATER LEVELS: Land-surface elevation above mean sea level ... 2020 ft.
Static level 102.6 ft. below top of well Date 7/15/81
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? DRILLER
Yield: 1500 gal./min. with 4.4 ft. drawdown after 1 hrs.
" 2000 " 4.5 " 2.5 "
" 3000 " 7.4 " 6 "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
0	107				
5 MIN	102.6				

Date of test 7/15/81
Bailer test ..... gal./min. with ..... ft. drawdown after ..... hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water 48° Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
SAND + GRAVEL 3" MIN	0	76
BOULDERS	76	78
SAND + GRAVEL 3" MIN	78	89
GRAVEL 1" MIN.	89	108
GRAVEL 3" MIN ★	108	137
GRAVEL + SAND 2" MIN ★	137	151
GRAVEL + SAND 1" MIN ★	151	154
SAND + BROWN CLAY	154	236

★ INDICATES WATER BEARING STRATA

RECEIVED
AUG 24 1981
DEPARTMENT OF ECOLOGY
SPOKANE REGIONAL OFFICE

Permit: 4 pm
2000 gpm
for 6000 gpm

Work started 4/10 19 81 Completed 7/20 19 81

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME HOLMAN DRILLING CORP
(Person, firm, or corporation) (Type or print)

Address E 3410 9TH AVE SPOKANE WA 99202

[Signed] Arnold E. Holman
(Well Driller)

License No. 0189 Date 8/19 19 81

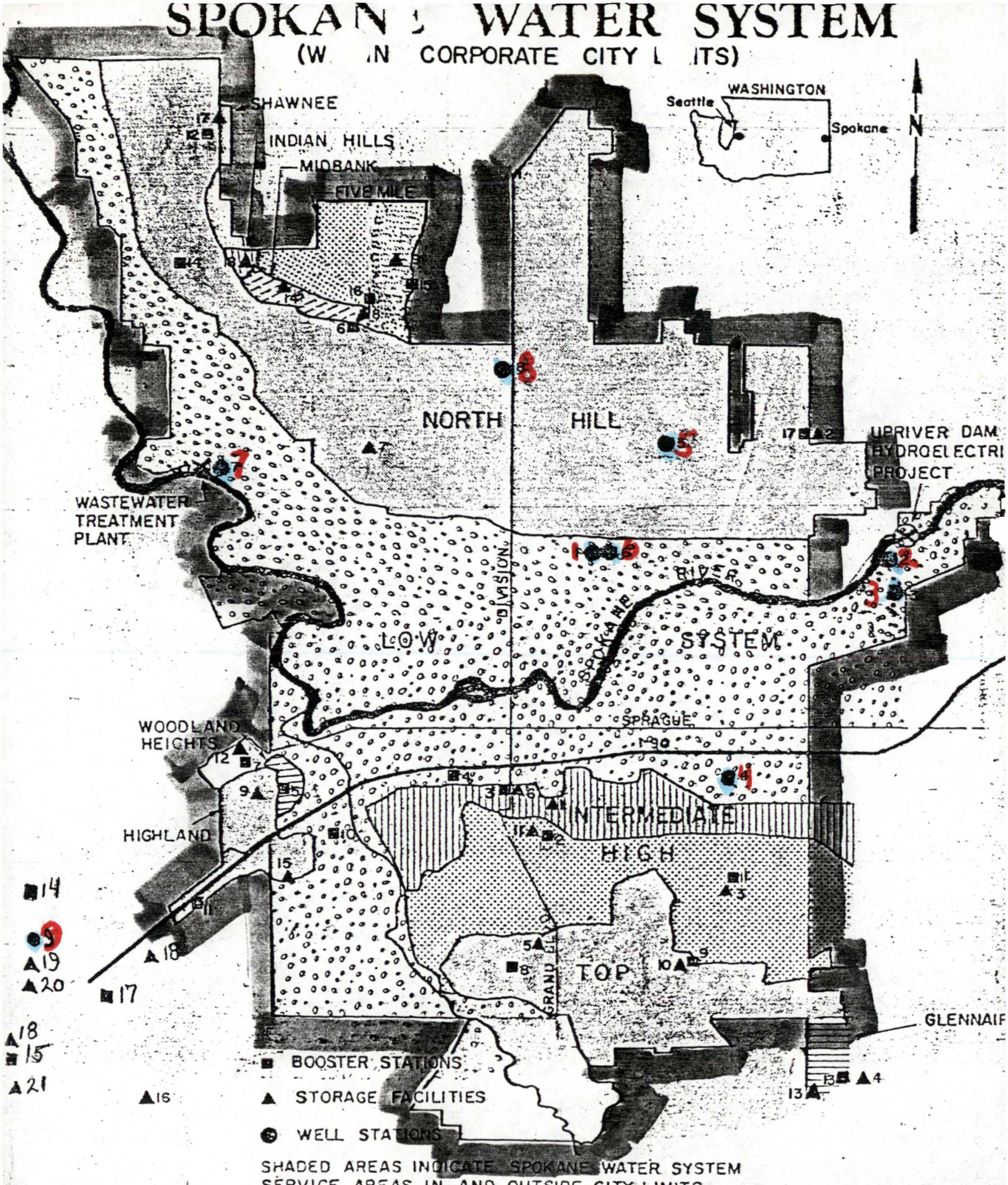
8/31/81

(USE ADDITIONAL SHEETS IF NECESSARY)

1-20

SPOKANE WATER SYSTEM

(WITHIN CORPORATE CITY LIMITS)



SHADED AREAS INDICATE SPOKANE WATER SYSTEM SERVICE AREAS IN AND OUTSIDE CITY LIMITS.

NUMBERS REFER TO FACILITY LOCATION ON PLATE 2-1.

Plate 2

CITY OF SPOKANE WATERWORKS FACILITIES

■ BOOSTER STATIONS

1. Lincoln Heights
2. 14th & Grand
3. 9th & Pine
4. Bishop Court
5. 9th & E
6. Belt Street
7. Sunset
8. Division-Manito
9. Garden Park
10. Milton
11. Abbott
12. Shawnee
13. Glennaire
14. FAFB
15. Thorpe Road (Future)
16. Five Mile Prairie
17. Spotted Road (Future)

▲ STORAGE FACILITIES

1. Rockwood Vista
2. Strong Road
3. Lincoln Heights
4. Glennaire
5. 33rd & Lamonte
6. 9th & Pine
7. Shadle
8. Five Mile
9. Sunset
10. Garden Park
11. 14th & Grand
12. West Drive
13. Browne Park
14. Midbank
15. Highland
16. Geiger Heights
17. Shawnee
18. Thorpe Road (Future)
19. SIA #1
20. SIA #2 (Future)
21. Mallon Road (Future)

● WELL STATIONS

1. Nevada Street
2. Upriver Electric
3. Parkwater
4. Ray Street
5. Hoffman
6. Grace Avenue
7. Baxter
8. Central Avenue
9. SIA #1

1/83

Plate 2-1

Well #1

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
DIVISION OF WATER RESOURCES

Appl. 11195
Per. 10027 Cert. 7129

WELL LOG

Record by Driller
Source Driller's record

Location: State of WASHINGTON
County Spokane
Area
Map
NW ¼ SW ¼ sec. 1 T. 25 N., R. 44E E. W.

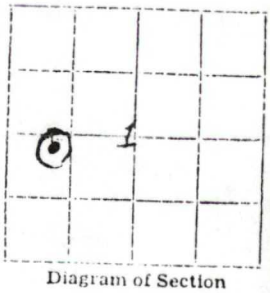


Diagram of Section

Drilling Co. A. A. Durand
Address Walla Walla, WA
Method of Drilling cable Date , 19
Owner Spokane Industrial Park, Inc.
Address N. 3808 Sullivan Road, Spokame, WA
Land surface, datum ft. above / below
SWL: 76'2" Date Sept. 10, 1970 Dims.:

CORRELATION	MATERIAL	From (feet)	To (feet)
	(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses. If material water-bearing, so state and record static level if reported. Give depths in feet below land-surface datum unless otherwise indicated. Correlate with stratigraphic column, if feasible. Following log of materials, list all casings, perforations, screens, etc.)		
	Industrual use		
	gravel	0	160
	Casing: 12" from 0' to 160'		
	Surface Seal: concrete grout to 20'		
	Pump: Pomona deep well turbine 50 hp		

Turn up

Sheet ..... of ..... sheets

Well Log

Well #2.

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
DIVISION OF WATER RESOURCES

Appl. 11196
Per. 10028, Cert 7130

WELL LOG

Record by A. A. Durand
Source Driller record

Location: State of WASHINGTON
County Spokane
Area
Map
¼ SW¼ sec. 1 T. 25N., R. 44 E. W.

Diagram of Section

1 (0)

Drilling Co. A. A. Durand
Address Walla Walla, WA
Method of Drilling cable Date , 19
Owner Spokane Industrial Park, Inc.
Address N. 3808 Sullican Road, Spokane, WA
Land surface, datum ft. above / below
SWL: UK Date Sept 10, 19 70 Dims.: 16" x 120

Correlation	Material	From (feet)	To (feet)
	Industrial gravel	0	120
	Casing: 16" from 0' to 120'		
	Surface seal: concrete grout		to 20'
	Oump: Pomona deep well turbin		100

(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses. If material water-bearing, so state and record static level if reported. Give depths in feet below land-surface datum unless otherwise indicated. Correlate with stratigraphic column, if feasible. Following log of materials, list all casings, perforations, screens, etc.)

Turn up

Sheet ..... of ..... sheets

File Original and First Copy with the Division of Water Management
Second Copy — Owner's Copy
Third Copy — Driller's Copy

Reg. # 108

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....

Permit No. .....

(1) OWNER: Name Spokane Industrial Park, Inc. Address N. 3808 Sullivan Road, Spokane, Wash.

(2) LOCATION OF WELL: County Spokane — ¼ S½ ¼ Sec. 1 T 25 N., R. 44E W.M.

ing and distance from section or subdivision corner 275 ft. south & 1150 ft. east from the NW corner

(3) PROPOSED USE: Domestic ☒ Industrial ☒ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) .... #1

Existing
New well ☐ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 12 inches.
Drilled 160 ft. Depth of completed well 160 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: ..... " Diam. from ..... ft. to ..... ft.
Threaded ☐ ..... " Diam. from ..... ft. to ..... ft.
Welded ☒ 12 " Diam. from 0 ft. to 160 ft.

Perforations: Yes ☒ No ☐
Type of perforator used Unknown
SIZE of perforations ..... in. by ..... in.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes ☐ No ☒☒
Manufacturer's Name .....
Type ..... Model No. .....
Diam. ..... Slot size ..... from ..... ft. to ..... ft.
Diam. ..... Slot size ..... from ..... ft. to ..... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal Concrete grout
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name Pomona
Type: Deep well turbine H.P. 50

(8) WATER LEVELS: Land-surface elevation above mean sea level .... 2014 ft.
Static level 76'2" ft. below top of well Date 9/10/70
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom? .....
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
	Unknown				

Date of test .....
Bailer test ..... gal./min. with ..... ft. drawdown after ..... hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water ..... Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Spokane Valley gravel		

Work started ....., 19..... Completed ....., 19.....

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME A. A. Durand
(Person, firm, or corporation) (Type or print)

Address Walla Walla, Washington

[Signed] (Out of business)
(Well Driller)

License No. ..... Date ....., 19.....

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 5-69)—5-69.

3

File Original and First Copy with the Division of Water Management
Second Copy — Owner's Copy
Third Copy — Driller's Copy Reg # 108

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....

Permit No. .....

(1) OWNER: Name Spokane Industrial Park, Inc. Address N. 3808 Sullivan Road, Spokane, Wn.

(2) LOCATION OF WELL: County Spokane NW¼ NE¼ ¼ S½ ¼ Sec. 1 T. 25 N., R. 44E W.M.

Bearing and distance from section or subdivision corner 1220 feet south and 1400 feet west from the NE corner

(3) PROPOSED USE: Domestic ☒ Industrial ☒ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) .... #2
New well ☐ Method: Dug ☐ Bored ☐
Existing — Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 16 inches.
Drilled 120 ft. Depth of completed well 120 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: ..." Diam. from ... ft. to ... ft.
Threaded ☐ ..." Diam. from ... ft. to ... ft.
Welded ☒ 16" Diam. from 0 ft. to 120 ft.

Perforations: Yes ☒ No ☐
Type of perforator used Unknown
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes ☐ No ☒
Manufacturer's Name ...
Type ... Model No ...
Diam. ... Slot size ... from ... ft. to ... ft.
Diam. ... Slot size ... from ... ft. to ... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: ...
Gravel placed from ... ft. to ... ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal Concrete grout
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? ... Depth of strata ...
Method of sealing strata off ...

(7) PUMP: Manufacturer's Name Pomona
Type: Deep well turbine H.P. 100

(8) WATER LEVELS: Land-surface elevation above mean sea level .... 2016 ft.
Static level Unknown ft. below top of well Date 9/10/70
Artesian pressure ---- lbs. per square inch Date ...
Artesian water is controlled by ... (Cap, valve, etc.)
Unknown

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom? ...
Yield: ... gal./min. with ... ft. drawdown after ... hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test ...
Bailer test ... gal./min. with ... ft. drawdown after ... hrs.
Artesian flow ... g.p.m. Date ...
Temperature of water ... Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Spokane valley gravel		

Work started ..., 19... Completed ..., 19...

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME A. A. Durand
(Person, firm, or corporation) (Type or print)

Address Walla Walla, Washington

[Signed] (Out of business)
(Well Driller)

License No. ... Date ..., 19...

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 5-69)—5-69.

y — Owner's Copy
Third Copy — Driller's Copy

STATE OF WASHINGTON

Permit No. G3-22023P

(1) OWNER: Name SPOKANE INTRIAL PARK Address N 3805 SULLIVAN RD.

(2) LOCATION OF WELL: County SPOKANE NW¼ of Sec. T N., R W.M.
portion of Sec. 12 lying north of the northerly right-of-way line of the S½ of Sec. 1 and that
Bearing and distance from section or subdivision corner Spokane Int'l Railroad, all in T25N, R44 EWM

PROPOSED USE: Domestic ☐ Industrial ☒ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one).... # 4
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 22" inches.
Drilled 150 ft. Depth of completed well 150 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 22" Diam. from +1 ft. to 121 ft.
Threaded ☐ ..." Diam. from ... ft. to ... ft.
Welded ☒ ..." Diam. from ... ft. to ... ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON U.O.P.
Type STAINLESS Model No. STANDARD
Diam. 20" Slot size 187 from 120 ft. to 140 ft.
Diam. 20" Slot size 90 from 140 ft. to 145 ft.
20" 150 145 150

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ... ft. to ... ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal CEMENT SLURRY
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Peerless
Type: LINE SHAFT TURBINE H.P. 200

(8) WATER LEVELS: Land-surface elevation above mean sea level.... 2018 ft.
Static level 74 ft. below top of well Date 11-11-74
Artesian pressure ... lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? DRILLER
Yield: 2500 gal./min. with 17.7 ft. drawdown after 2 hrs.
" 3500 " 29.0 " 2 "
" 3750 " 31.4 " 4 "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
0	114.8	3	74		
1	95.2				
2	78.0				

Date of test NOV 11 1974
... gal./min. with ... ft. drawdown after ... hrs.
... g.p.m. Date
Temperature of water 47° Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
TOPSOIL	0	1
SAND + GRAVEL 3" MINUS	1	29
SAND + GRAVEL 1" MINUS	29	37
GRAVEL 3½" MINUS	37	70
GRAVEL 6" MINUS	70	73
★ GRAVEL 3" MINUS	73	124
★ GRAVEL + SAND 3" MINUS SOME SILT	124	139
★ SAND MED	139	145
★ SAND COARSE	145	150

★ INDICATES WATER BEARING STRATA

RECEIVED
DEC 5 1974
DEPARTMENT OF ECOLOGY
SPOKANE REGIONAL OFFICE

2680
47 GPM
IND

Work started SEPT 27, 19 74 Completed NOV 14, 19 74

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME HOLMAN DRILLING CORP
(Person, firm, or corporation) (Type or print)

Address E 3410 9TH AVE SPOKANE 99202

[Signed] Arnold E Holman PRES.
(Well Driller)

License No. 0189 Date NOV 27, 19 74

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 5-69)—5-69.

RAY HUFFMAN

Trentwood Irrigation District #3
N. 4402 Sullivan Rd.
Spokane, Washington 99216
922-7532

Well Log: Well #5
Record by: Driller
Source: Engineer's record

Location: NW¼, NW¼, Sec. 1, T. 25 N., R. 44 E.W.M.
Spokane County, Washington

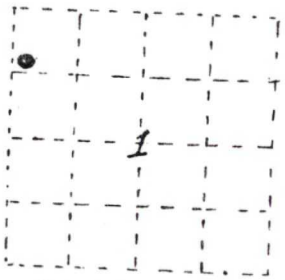


DIAGRAM OF SECTION

Drilling Co: E. A. Holman Drilling Co.
S. 601 Pines Rd.
Spokane, Washington 99206

Method of Drilling: Cable
Date: Feb. 15, 1968

Owner: Trentwood Irrigation District #3
N. 4402 Sullivan Rd.
Spokane, Washington 99216

SWL: 104'
Date: Feb. 15, 1968
Dims: 16" x 159'

Material	From (feet)	To (feet)
Sand & gravel	0	10
Sand, silt & pea gravel	10	18
Sand & gravel	18	59
Sand, silt & pea gravel	59	81
Cemented sand & gravel	81	84
Sand & gravel	84	102
Very hard packed gravel	102	104
Good clean washed gravel up to 1½"	104	110
Gravel, to 2"	110	112
Gravel, to 1½"	112	117
Gravel, to 3"	117	122
Gravel, to 3½"	122	130
Gravel, to 2½"	130	140
Gravel, to 3"	140	150

9' of casing welded on top and back filled around to raise ground level.
Casing: 16" 0' to 159'
Perforated from 110' to 145'
Pump: 200 h.p. deep well turbine, Layne & Bowler.

7 (per 6) St Jos. Cemetery - check
(No File) for historic
significance

* 14 (per 1) Naval Supply Depot ca 1941-on

50 (per 11) Trentwood Rolling Mill ca 1941-44

6 (per 11) Newton Schenbley Budget
ca 1866

04 - Sutro Home ca 1908

per